

THAT WHICH IS CLAIMED:

1. A preconnectorized outdoor cable comprising:

a cable, the cable having at least one optical waveguide and at least one tensile element, and a cable jacket, wherein the cable jacket generally surrounds the at least one optical waveguide and the at least one tensile element; and

at least one plug connector, the at least one plug connector being attached to a first end of the cable, thereby connectorizing at least one optical waveguide, the at least one plug connector comprising:

a crimp assembly, wherein the crimp assembly includes a crimp housing and a crimp band, wherein the crimp housing comprises two half-shells being held together by the crimp band, the two half-shells having a longitudinal passageway for passing the at least one optical fiber therethrough, at least one cable clamping portion, and a connector assembly clamping portion, wherein the at least one cable clamping portion secures at least one tensile element; and

a connector assembly, and the connector assembly includes a connector body and a ferrule, wherein a portion of the connector assembly is secured in the connector assembly clamping portion of the two half-shells of the crimp housing.

2. The preconnectorized outdoor cable of claim 1, the connector housing clamping portion being able to secure more than one connector assembly.

3. The preconnectorized outdoor cable of claim 1, the at least one tensile element of the cable being a strength component having anti-buckling strength.

4. The preconnectorized outdoor cable of claim 1, the at least one tensile element of the cable being a strength member that essentially lacks anti-buckling strength.

4. The preconnectorized outdoor cable of claim 1, the at least one tensile element of the cable being a strength member that essentially lacks anti-buckling strength.

5 5. The preconnectorized outdoor cable of claim 1, the at least one plug connector further comprising a crimp housing, the crimp housing comprising two half-shells, the two half-shells having a curvilinear longitudinal passageway therethrough for routing the at least one optical waveguide, and the two half-shells being
10 held together by a crimp band.

6. The preconnectorized outdoor cable of claim 1, the at least one plug connector further comprising a shroud, the shroud having a keyed passageway for inhibiting rotation between the shroud and
15 the crimp assembly.

7. The preconnectorized outdoor cable of claim 1, further comprising a coupling nut for removably attaching the at least one plug connector with a mating receptacle.
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8. The preconnectorized outdoor cable of claim 1, the connector assembly further including a ferrule holder.

9. The preconnectorized outdoor cable of claim 1, further
25 comprising a shroud for protecting the connector assembly.

10. The preconnectorized outdoor cable of claim 9, the shroud defining a pair of openings on opposite sides of a first end, the opening extending lengthwise from a medial portion of the shroud
30 to the first end of the shroud, wherein the ferrule is accessible within the first end of the shroud.

11. The preconnectorized outdoor cable of claim 9, further comprising a heat shrink tube for weatherproofing the

preconnectorized outdoor cable, the heat shrink tube being disposed about a second end of the shroud and a portion of the cable jacket.

5 12. The preconnectorized outdoor cable of claim 9, the shroud defining a pair of openings on opposite sides of a first end, the opening extending lengthwise from a medial portion of the shroud to the first end of the shroud, wherein the ferrule is accessible within the first end of the shroud, and a heat shrink tube for
10 weatherproofing the preconnectorized outdoor cable, the heat shrink tube being disposed about a second end of the shroud and a portion of the cable jacket.

13. The preconnectorized outdoor cable of claim 9, further
15 comprising an O-ring disposed on the shroud for weatherproofing the at least one plug connector.

14. The preconnectorized outdoor cable of claim 1, the at least one plug connector further comprising a shroud having a first end
20 and a second end, wherein the shroud has at least one alignment indicia for indicating a mating orientation.

15. The preconnectorized outdoor cable of claim 1, the at least one plug connector further comprising a shroud having a first end
25 and a second end, the shroud has a plurality of fingers for mating with a complementary receptacle, wherein at least two of the fingers have different profiles for keying the plug connector with the complementary receptacle.

30 16. The preconnectorized outdoor cable of claim 1, the at least one plug connector having a protective cap and a retention wire, wherein the protective cap is attached to the at least one plug connector by a retention wire.

17. The preconnectorized outdoor cable of claim 1, a plurality of the components of the at least one plug connector being formed from a UV stabilized material.

5 18. The preconnectorized outdoor cable of claim 1, the at least one cable clamping portion having at least one rib for securing the at least one tensile element.

19. The preconnectorized outdoor cable of claim 1, a dry insert
10 being disposed within the cable jacket.

20. The preconnectorized outdoor cable of claim 1, the cable having at least one electrical conductor for transmitting power, the at least one electrical conductor being in electrical
15 communication with an electrical terminal of the plug connector.

21. A preconnectorized outdoor cable comprising:

a cable, the cable having at least one optical waveguide and at least one tensile element, and a cable jacket, wherein the
20 cable jacket generally surrounds the at least one optical waveguide and the at least one tensile element; and

at least one plug connector, the at least one plug connector being attached to a first end of the cable, thereby connectorizing at least one optical waveguide, wherein a
25 plurality of the components of the at least one plug connector are formed from a UV stabilized material, the at least one plug connector comprising:

a crimp assembly, wherein the crimp assembly includes a crimp housing and a crimp band, wherein the crimp housing
30 comprises two half-shells being held together by the crimp band, the two half-shells having a longitudinal passageway for passing the at least one optical fiber therethrough, at least one cable clamping portion, and a connector assembly clamping portion,

wherein the at least one cable clamping portion secures at least one tensile element of the cable; and

a connector assembly, and the connector assembly includes a connector body and a ferrule, wherein a portion of the connector assembly is secured in the connector assembly clamping portion of the two half-shells of the crimp housing.

22. The preconnectorized outdoor cable of claim 21, the connector housing clamping portion being able to secure more than one connector assembly.

23. The preconnectorized outdoor cable of claim 21, the at least one tensile element of the cable being a strength component having anti-buckling strength.

24. The preconnectorized outdoor cable of claim 21, the at least one tensile element being a strength member that essentially lacks anti-buckling strength.

25. The preconnectorized outdoor cable of claim 21, the at least one plug connector further comprising a crimp housing, the crimp housing comprising two half-shells, the two half-shells having a curvilinear longitudinal passageway therethrough for routing the at least one optical waveguide, and the two half-shells being held together by a crimp band.

26. The preconnectorized outdoor cable of claim 21, the at least one plug connector further comprising a shroud, the shroud having a keyed passageway for inhibiting rotation between the shroud and the crimp assembly.

27. The preconnectorized outdoor cable of claim 21, further comprising a coupling nut for removably attaching the at least one plug connector with a mating receptacle.

28. The preconnectorized outdoor cable of claim 21, the connector assembly further including a ferrule holder.

5 29. The preconnectorized outdoor cable of claim 21, further comprising a shroud for protecting the connector assembly.

30. The preconnectorized outdoor cable of claim 29, the shroud defining a pair of openings on opposite sides of a first end, the opening extending lengthwise from a medial portion of the shroud to the first end of the shroud, wherein the ferrule is accessible within the first end of the shroud.

31. The preconnectorized outdoor cable of claim 29, further comprising a heat shrink tube for weatherproofing the preconnectorized outdoor cable, the heat shrink tube being disposed about a second end of the shroud and a portion of the cable jacket.

32. The preconnectorized outdoor cable of claim 29, the shroud defining a pair of openings on opposite sides of a first end, the opening extending lengthwise from a medial portion of the shroud to the first end of the shroud, wherein the ferrule is accessible within the first end of the shroud, and a heat shrink tube for weatherproofing the preconnectorized outdoor cable, the heat shrink tube being disposed about a second end of the shroud and a portion of the cable jacket.

33. The preconnectorized outdoor cable of claim 29, further comprising an O-ring disposed on the shroud for weatherproofing the at least one plug connector.

34. The preconnectorized outdoor cable of claim 21, the at least one plug connector further comprising a shroud having a first end

and a second end, wherein the shroud has at least one alignment indicia for indicating a mating orientation.

35. The preconnectorized outdoor cable of claim 21, the at least one plug connector further comprising a shroud having a first end and a second end, the shroud has a plurality of fingers for mating with a complementary receptacle, wherein at least two of the fingers have different profiles for keying the plug connector with the complementary receptacle.

36. The preconnectorized outdoor cable of claim 21, the at least one plug connector having a protective cap and a retention wire, wherein the protective cap is attached to the at least one plug connector by the retention wire.

37. The preconnectorized outdoor cable of claim 21, one of the half-shells having at least one rib.

38. The preconnectorized outdoor cable of claim 21, a dry insert being disposed within the cable jacket.

39. The preconnectorized outdoor cable of claim 21, the cable having at least one electrical conductor for transmitting power, the at least one electrical conductor being in electrical communication with an electrical terminal of the plug connector.

40. A preconnectorized outdoor cable comprising:

a cable, the cable having at least one optical waveguide and at least one tensile element, and a cable jacket, wherein the cable jacket generally surrounds the at least one optical waveguide and the at least one tensile element; and

at least one plug connector, the at least one plug connector being attached to a first end of the cable, thereby

connectorizing at least one optical waveguide, the at least one plug connector comprising:

a crimp assembly, wherein the crimp assembly includes a crimp housing and a crimp band, wherein the crimp housing
5 comprises two half-shells being held together by the crimp band, the two half-shells having a longitudinal passageway for passing the at least one optical fiber therethrough, at least one cable clamping portion, and a connector assembly clamping portion, wherein the at least one cable clamping portion secures at least
10 one tensile element of the cable;

a heat shrink tube for weatherproofing the preconnectorized outdoor cable, the heat shrink tube being disposed over a portion of the at least one plug connector and a portion of the cable jacket; and

15 a connector assembly, and the connector assembly includes a connector body and a ferrule, wherein a portion of the connector assembly is secured in the connector assembly clamping portion of the two half-shells of the crimp housing.

20 41. The preconnectorized outdoor cable of claim 40, the connector housing clamping portion being able to secure more than one connector assembly.

42. The preconnectorized outdoor cable of claim 40, the at least
25 one tensile element being a strength component having anti-buckling strength.

43. The preconnectorized outdoor cable of claim 40, the at least one tensile element being a strength member that essentially
30 lacks anti-buckling strength.

44. The preconnectorized outdoor cable of claim 40, the longitudinal passageway being a curvilinear longitudinal passageway for routing the at least one optical waveguide.

45. The preconnectorized outdoor cable of claim 40, the at least one plug connector further comprising a shroud, the shroud having a keyed passageway for inhibiting rotation between the shroud and the crimp assembly.

46. The preconnectorized outdoor cable of claim 40, further comprising a coupling nut for removably attaching the at least one plug connector with a mating receptacle.

47. The preconnectorized outdoor cable of claim 40, further comprising a shroud for protecting the connector assembly.

48. The preconnectorized outdoor cable of claim 47, the shroud defining a pair of openings on opposite sides of a first end, the opening extending lengthwise from a medial portion of the shroud to the first end of the shroud, wherein the ferrule is accessible within the first end of the shroud.

49. The preconnectorized outdoor cable of claim 47, the shroud defining a pair of openings on opposite sides of a first end, the opening extending lengthwise from a medial portion of the shroud to the first end of the shroud, wherein the ferrule is accessible within the first end of the shroud, and a heat shrink tube for weatherproofing the preconnectorized outdoor cable, the heat shrink tube being disposed about a second end of the shroud and a portion of the cable jacket.

50. The preconnectorized outdoor cable of claim 47, further comprising an O-ring disposed on the shroud for weatherproofing the at least one plug connector.

51. The preconnectorized outdoor cable of claim 40, the at least one plug connector further comprising a shroud having a first end

and a second end, wherein the shroud has at least one alignment indicia for indicating a mating orientation.

52. The preconnectorized outdoor cable of claim 40, the at least one plug connector further comprising a shroud having a first end and a second end, the shroud has a plurality of fingers for mating with a complementary receptacle, wherein at least two of the fingers have different profiles for keying the plug connector with the complementary receptacle.

53. The preconnectorized outdoor cable of claim 40, the at least one plug connector having a protective cap and a retention wire, wherein the protective cap is attached to the at least one plug connector by the retention wire.

54. The preconnectorized outdoor cable of claim 40, the at least one cable clamping portion having at least one rib for securing the at least one tensile element.

55. The preconnectorized outdoor cable of claim 40, a plurality of the components of the at least one plug connector being formed from a UV stabilized material.

56. The preconnectorized outdoor cable of claim 40, a dry insert being disposed within the cable jacket.

57. The preconnectorized outdoor cable of claim 40, the cable having at least one electrical conductor for transmitting power, the at least one electrical conductor being in electrical communication with an electrical terminal of the plug connector.